

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1527047

Luminaire Tested: 22CGTX-45HE-F125-L935

Issue Date: 8/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1527047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2507-496-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CGTX-45HE-F125-L935
Description: CGTX with F125 Lens Option

Light Source:
Ballast/Driver: -

Summary

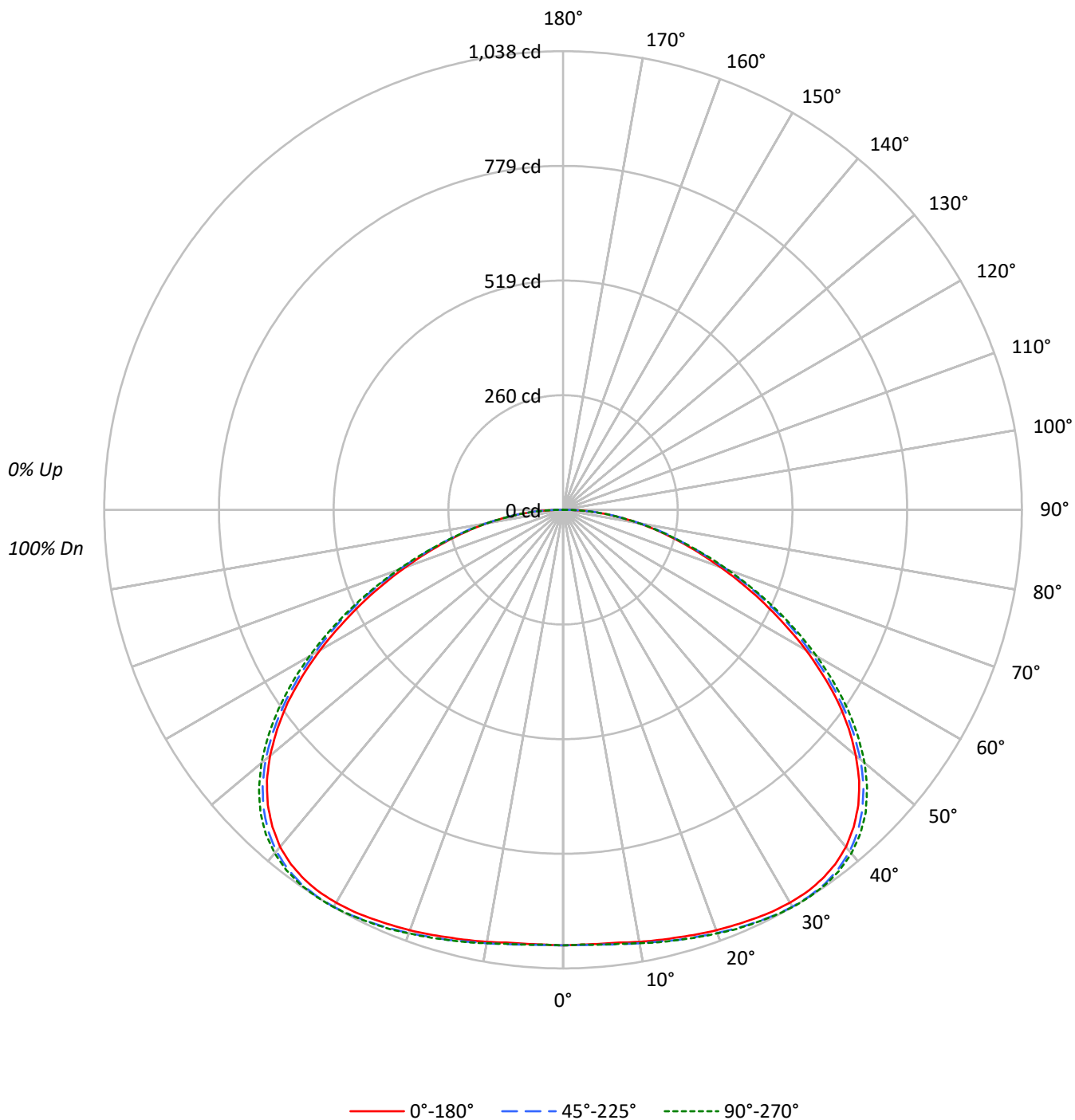
Lumens per Lamp: N/A
Luminaire Lumens: 3826.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.56 / 1.58 / 1.65
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 36.2
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	108	103	98	94	105	101	97	93	96	93	90		92	90	87		89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77	73	70	67
3	89	77	69	62	86	76	68	61	73	66	60		70	64	59		67	62	58	56
4	81	68	59	52	78	67	58	51	64	57	51		62	55	50		59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37		49	42	37		48	41	37	34
7	63	49	39	33	61	48	39	33	46	38	33		45	38	32		43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29		41	34	29		39	33	28	26
9	54	40	32	26	53	40	31	26	38	31	26		37	30	26		36	30	25	24
10	51	37	29	23	49	36	29	23	35	28	23		34	28	23		34	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2652	2652	2652
5°	2663	2668	2668
10°	2713	2721	2721
15°	2791	2807	2807
20°	2900	2919	2921
25°	3033	3059	3062
30°	3190	3224	3227
35°	3353	3394	3401
40°	3498	3545	3565
45°	3595	3645	3684
50°	3620	3676	3728
55°	3566	3621	3686
60°	3417	3492	3567
65°	3203	3320	3376
70°	2979	3088	3123
75°	2794	2871	2871
80°	2701	2735	2712
85°	2621	2714	2621

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 50°

Luminance: 3728 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	2.5
10°-20°	285.6	7.5
20°-30°	476.0	12.4
30°-40°	644.9	16.9
40°-50°	735.5	19.2
50°-60°	687.6	18.0
60°-70°	513.5	13.4
70°-80°	293.2	7.7
80°-90°	95.2	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	856.2	22.4
0°-40°	1501.1	39.2
0°-60°	2924.2	76.4
0°-90°	3826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	986	987	988	989	988	94
15°	1002	1005	1008	1008	1008	284
25°	1022	1025	1030	1032	1031	473
35°	1021	1026	1033	1036	1035	639
45°	945	949	958	964	968	726
55°	760	762	772	781	786	676
65°	503	510	521	524	530	499
75°	269	273	276	277	276	287
85°	85	89	88	86	85	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.7	985.7	985.7	985.7	985.7
2.5°	984.9	985.7	985.7	987.1	984.9
5°	985.7	987.1	987.8	988.6	987.8
7.5°	987.8	990.0	991.5	992.2	990.8
10°	993.0	994.4	995.9	997.4	995.9
12.5°	997.4	999.6	1001.0	1003.2	1002.5
15°	1001.8	1004.7	1007.6	1008.4	1007.6
17.5°	1007.6	1009.8	1012.7	1014.2	1014.2
20°	1012.7	1015.7	1019.3	1020.8	1020.1
22.5°	1017.1	1020.8	1025.2	1027.4	1026.7
25°	1021.5	1025.2	1030.3	1031.8	1031.1
27.5°	1025.2	1029.6	1034.7	1036.9	1035.4
30°	1026.7	1031.1	1037.6	1039.1	1038.4
32.5°	1025.9	1030.3	1036.9	1039.1	1038.4
35°	1020.8	1025.9	1033.3	1036.2	1035.4
37.5°	1011.3	1016.4	1023.7	1027.4	1028.1
40°	995.9	1001.0	1009.1	1014.2	1014.9
42.5°	973.2	978.3	987.1	993.0	995.2
45°	944.6	949.0	957.8	964.4	968.1
47.5°	908.8	912.4	921.9	929.3	932.9
50°	864.8	868.5	878.0	885.3	890.5
52.5°	815.0	818.0	827.5	836.3	840.7
55°	760.1	762.3	771.8	780.6	785.7
57.5°	697.9	704.5	711.8	719.8	725.7
60°	634.9	640.0	648.8	656.9	662.7
62.5°	567.5	577.0	587.3	591.7	596.8
65°	503.1	510.4	521.4	524.3	530.2
67.5°	439.4	447.4	456.9	459.1	462.8
70°	378.6	385.2	392.5	395.4	396.9
72.5°	321.5	326.6	331.7	333.9	333.9
75°	268.7	273.1	276.1	276.8	276.1
77.5°	221.1	221.9	228.5	224.1	223.3
80°	174.3	174.3	176.5	176.5	175.0
82.5°	128.9	131.8	131.1	130.3	128.1
85°	84.9	88.6	87.9	86.4	84.9
87.5°	41.7	46.1	43.9	46.1	42.5
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.8	18.5	17.2	18.8	19.2	17.0	18.7	17.4	19.0	19.3
	3H	18.5	20.1	18.9	20.4	20.7	18.7	20.3	19.1	20.6	21.0
	4H	19.2	20.6	19.6	21.0	21.3	19.4	20.8	19.8	21.2	21.5
	6H	19.7	21.0	20.1	21.4	21.8	19.9	21.2	20.3	21.6	22.0
	8H	19.9	21.2	20.3	21.6	22.0	20.1	21.4	20.5	21.7	22.1
	12H	20.0	21.3	20.5	21.7	22.1	20.2	21.4	20.6	21.8	22.3
4H	2H	17.5	18.9	17.9	19.3	19.6	17.6	19.1	18.0	19.4	19.8
	3H	19.4	20.6	19.8	21.0	21.4	19.6	20.8	20.0	21.2	21.6
	4H	20.2	21.3	20.6	21.7	22.1	20.3	21.4	20.8	21.9	22.3
	6H	20.8	21.8	21.3	22.2	22.7	21.0	22.0	21.4	22.4	22.8
	8H	21.1	22.0	21.5	22.4	22.9	21.2	22.1	21.7	22.6	23.0
	12H	21.3	22.1	21.8	22.6	23.1	21.4	22.2	21.9	22.7	23.2
8H	4H	20.5	21.4	21.0	21.9	22.3	20.6	21.6	21.1	22.0	22.5
	6H	21.3	22.1	21.8	22.6	23.0	21.4	22.2	21.9	22.7	23.2
	8H	21.7	22.3	22.2	22.8	23.3	21.8	22.4	22.3	23.0	23.4
	12H	22.0	22.6	22.5	23.1	23.6	22.1	22.7	22.6	23.2	23.7
12H	4H	20.5	21.4	21.0	21.8	22.3	20.7	21.5	21.2	22.0	22.5
	6H	21.4	22.1	21.9	22.5	23.1	21.5	22.2	22.0	22.7	23.2
	8H	21.8	22.4	22.3	22.9	23.5	21.9	22.5	22.4	23.0	23.6













(END OF REPORT)